

The Institution of Engineers, Australia; Sydney Division  
Engineering Heritage Committee

## ORAL HISTORY PROGRAM

### INTERVIEW TAPE LOG

INTERVIEWEE : FRANK HOLE

TAPE NUMBERS :

IEA SYD: JN 1&2

INTERVIEWER : JOHN NORTH

INTERVIEW DATE : 6th JULY 1998

NUMBER OF TAPES : 2

RESTRICTION ON USE : NIL

GENEXXA Voice Actuated Cassette Tape Recorder used in this interview.

This interview is part of the Oral History Project of the Engineering Heritage Committee of the Sydney Division the Institution of Engineers, Australia.

Tape : IEA SYD : JN 1 , Side A TAPE 1 of 2		
COUNTER	SUBJECT	NAMES & KEYWORDS
05	Early Life / Schooling	Broken Hill
15	Secondary Schooling	Bathurst / Shore
	Sydney University B Sc 1933, BE (Civil) 1935.	Sydney
23	Student Work Experience, 6 months with DMR. Depression Road Works from Old Bonalbo to Woodenbong. General discussion of experience/ work.	Old Bonalbo Work Experience
101	1935 First Job as Qualified Engineer with DMR at Coolac. Work covered the re construction of the Hume Hwy over approximately 120 Kms.	DMR Coolac
160	Sept 1935. Engineering Draftsman Fabrication Drawings of Steel members for Storey Bridge. Explanation of appointment and some detail of work.	Storey Bridge Queensland Bradfield
200	October 1937 Employed by Consultants Macdonald, Wagner & Priddle. Work mainly Structural Steel and re inforced concrete design, Specific comments Re Grain Silos (Peanuts). Comments on Costs Charged.	Macdonald, Wagner & Priddle
258	Joined RAE Militia Unit and removal from same by A E McDonald.	R.A.E Militia
269	1941. Allied Works Council. Initially Supervision & Co Ordination of Govt Instrumentalities. eg DMR, PWD, Water Board, etc. Later Supervision of construction of Army Installations including Explosive Factory at Villawood and Munition Factory at St Marys.	Allied Works Council
313	1943 Enlisted R.A.E. Details of training Served in Lae Base area New Guinea. Construction and reconstruction of Air Fields, roads etc. Special Interest was the design and consruction of small power station	R.A.E. New Guinea
352	Finish of Side A.	

Tape : IEA SYD : JN 1 , Side B TAPE 1 of 2		
COUNTER	SUBJECT	NAMES & KEYWORDS
05	ARMY HOSPITAL Discharged Nov 1945.	
16	Employed at Experimental Building Station at North Ryde Investigation of proposals to improve House construction in Post War Years.	North Ryde Experimental Stn
28	Early 1947. Employed by MacDonald, Wagner & Priddle consultation Engineers 1947. Construction of additions to Balmain P.S near Iron Cove Bridge. Included design of steel reinforcement and concrete cooling water ducts.	Macdonald, Wagner & Priddle.  Balmain Power Stn
114	1948 BOOLIMBA B Power Station Design and Construction. Site was a problem located over Mangrove mud and clay. 20 metres down to firm base. Detail provided of using drop hammer to drive steel cylinder to solid foundation. Information on Inlet and Outlet Water Ducts.	Boolimba B Power Station
162	TENNENYSON Power Station Details of design including flood problem. Turbines enclosed in water tight box (major undertaking). Comments on riveting / welding of steel fabrication. Reasonable straight forward design.	Tennenyson Power Station
227	SWANBANK Power Station (near Ipswich) Mainly designed by Brisbane office of M.W.& P. Design and Construction of Concrete Boiler Stack was subcontracted to Tylman.	Swanbank Power St
298	1958 6 months Long Service Leave to UK, USA & Canada. Inspection of Power Stations. 1st Contact with Sydney Opera House Contractor (Ove Arup). MW&P was Local Agent of Opera House Design (early stage). Supervision of foundation contract was an nightmare. Political inference. Malcom Nicklin was MW&P construction Supervisor.	United Kingdom  Sydney Opera House
377	Finish of Tape 1 Side B.	



Tape : IEA SYD : JN 2 , Side A TAPE 2 of 2		
COUNTER	SUBJECT	NAMES & KEYWORDS
05	SWANBANK Power Station Comment on cooling water system.	Swankbank P S
11	Sydney Opera House -brief comment on adminstration.	Sydney Opera House
17	NAPOLEON TOMB. 1830. Great Grandfather diary.	Napoleon Tomb
37	GLADSTONE Power Station. Conceived early 1970,s. Design carried out by MW&P Brisbane office. Sydney responsible for steel work over main turbine bay.	Gladstone P S.
57	COLLINSVILLE Power Station plus smaller power stations in NSW. No details provided.	Collinsville P S
62	1971. MacDonald, Wagner & Priddie Incorporated. Ray Priddie was 1st Chairman but died shortly after, Frank Hole was 2nd Chairman. Work mainly adminstrative. Retired 1979. (67 years of age ).	Incorporation MW&P
97	Macquarie University. Language Courses	Macquarie Univ
108	RETIREMENT GIFT Photo Album of Major Power Station	Photo Album
120	MW&P Management. General Comment	MW&P General
153	STOREY BRIDGE. Drawing staff, Little contact with Bradfield. Bradfield was a consultant, the EiC was Jimmy Holt from Bureau of Industry.	Storey Bridge
163	MW&P Brief Resume of Partners.	MW&P. Partners
270	1975 Institution of Engineers Representative Height of Building Advisory Committee	
292	OVERSEAS PROJECTS Little Involement	O'Seas Projects
310.	NORTH WEST CAPE RADIO FACILITIES Headed a consortium of Electrical, Mechanical, Civil and Architects to design & construct for the U S Navy.	N W Cape
366	LOOKING BACK	
380	Finish of Tape 2 Side A	Looking Back